

Dedicated to Professor Yeol Je Cho on the occasion of his retirement

A Stackelberg quasi-equilibrium problem via quasi-variational inequalities

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ABSTRACT.

In this paper, we consider a class of Stackelberg quasi-equilibrium problem with two players in finite dimensional spaces. Existence and location of the Stackelberg quasi-equilibrium is discussed by employing the quasi-variational inequality techniques and the fixed point arguments. The results presented in this paper generalize some corresponding ones due to Nagy [Nagy, S., *Stackelberg equilibria via variational inequalities and projections*, J. Global Optim., 57 (2013), 821–828].

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